

Mike Kuo

From: Claire Hoque
Sent: Thursday, March 17, 2005 5:22 PM
To: Mike Kuo
Cc: Yan Zheng; Michael Heckrotte; Christine Vu; Jack He; Danielle Zhan
Subject: answer: Atheros COMMUNICATIONS, INC., FCC ID: PPD-AR5BMB6, Assessment NO.: AN05T4626/AN05T4627,(DTS/UNII)

Attachments: Ant Spec. for FCC Revised 3-17-05.xls; AR5BMB6_Tech_Description Revised 3-17-05.pdf; AR5BMB6_User Manual revised 3-17-05.pdf; Modular Characteristic Letter Revised 3-17-05.pdf; 05U3230-1 FCC DTS Report(revised).pdf; 05U3230-3 FCC UNII Report(revised).pdf



Ant Spec. for FCC
Revised 3-17...



AR5BMB6_Tech_De
scription Revis...



AR5BMB6_User
Manual revised 3-...



Modular



05U3230-1 FCC
.DTS Report(revis...



05U3230-3 FCC
UNII Report(revi...

Hi Mike,

Here are the answers.

Question #1: Information given in Item 3 of request for modular approval does not agree with theory of operation. Please make necessary correction.
<answer>pls see revised modular approval letter and revised theory of operation.

Question #2: Please provide detail information for item 8 of request for modular approval. By indicating complied with RF exposure requirement does not address the requirement fully.
<answer>pls see revised modular approval letter.

Question #3: The FCC ID number listed in the OEM user manual does not agree with proposed FCC ID number. Please make necessary changes.
<answer>pls see revised user's manual.

Question #4: There are some typos in page 27 of user manual, please make necessary correction.
<answer>user's manual is revised.

Question #5: The antenna list submitted only included the antenna manufacturer name, part number and antenna gain. There is no description on the type of antennas for each entry. Please provide antenna type information and photos for each type of antenna of same manufacturer.
<answer>pls see revised antenna list.

Question #6: This is related to question #5. In section 5.2 of test report, there is no justification provided to justify the type of antennas used for the final tests. Please review this question with question #5 and provide a clear justification for selected antennas.
<answer>both DTS/UNII reports have been revised with antenna descriptions.

Question #7: As indicated in page 146 of DTS report, at 802.11g mode / high channel / horizontal, this device failed restricted band on average measurement. Please address this non-compliance issue.
<answer>The report is revised with the correct plot.

Question #8 : Please provide strong justification for the antenna position used during radiated stand alone tests. The antenna is placed at flat position.
<answer>The antenna was placed at the normal position. The gray portion is the tape for holding the antennas during the standalone radiated tests. Please refer to the document "Ant Spec. for FCC Revised 3-17-05.xls" for a closeup photograph showing the detail of the antenna structure.

Thanks,
Claire